

NCDOT Prioritization 3.0 Project Summary

SPOT ID: H142151

Mode: Highway

Status: Submitted

NC-210

From/Cross Street: NC 50 coming from Town of Hollyridge

Specific Improvement Type: 1 - Widen Existing Roadway

To: B-4929 Bridge at Surf City project

Project Category: Regional Impact

Length: 1.87

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$24,609,000

Description:

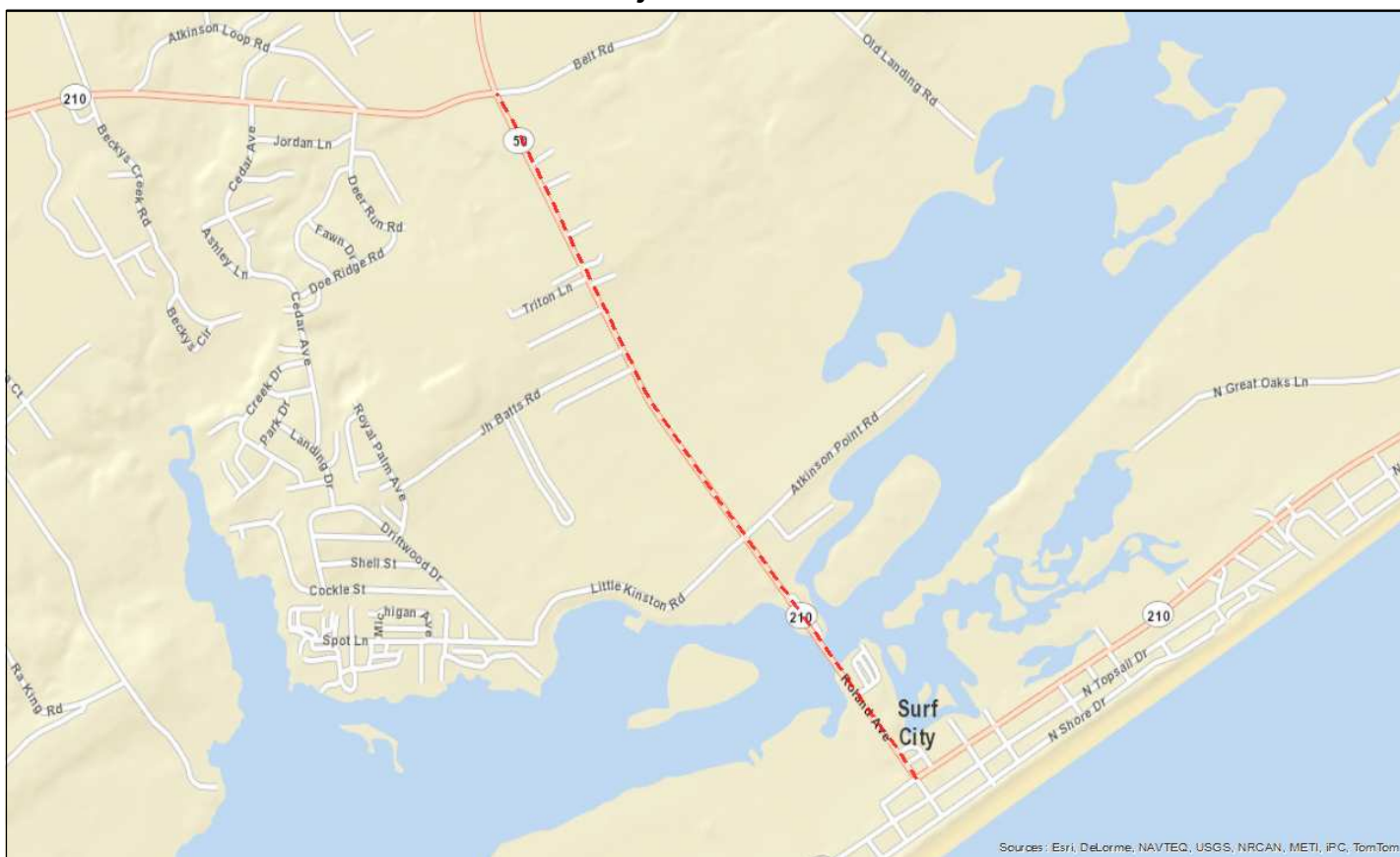
Widen NC 210 to a 4-lane divided facility from NC 50 to B-4929 limits

Division(s): Division 3

County(s): PENDER

MPOS(s)/RPO(s): Cape Fear RPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (25%) 30.38	Percent: 15%	Percent: 15%
Multimodal + [Freight & Military] (25%) 1.74	Points:	Points:
[Travel Time] Benefit/Cost (20%) 3.90		
Totals: Weight: 70% Weighted Score: 8.81		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Multimodal + [Freight & Military] (10%) 1.74	Percent: 25%	Percent: 25%
Congestion (V/C) (20%) 46.17	Points:	Points:
Safety (20%) 30.38		
Totals: Weight: 50% Weighted Score: 15.48		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	35
Length (miles):	1.87
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	1
Roadway has Curb & Gutter?	No
Volume (AADT):	11000
Capacity:	15800
Volume/Capacity Ratio:	0.7
% Autos:	97%
% Trucks:	3%
Truck Volume:	347.07
Crash Density:	33.35
Crash Severity:	33.35
Critical Crash Rate:	24.45
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	27
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	99
Actual Congested Speed:	36
Travel Time Index:	0.97

Project Benefits

Project Cross-Section:	4D - 4 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, Bike Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	1.87
Facility Type:	Superstreet
Access Control:	Partial
Functional Classification:	Minor Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	4311204.5
Travel Time Savings for 30 Years (Autos):	4175179.88
Travel Time Savings for 30 Years (Trucks):	136024.62
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	Yes
CTP/LRTP Name:	Topsail Area CTP
CTP/LRTP Completion Year:	2011
Submitted by:	Division 3

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 3	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Cape Fear RPO	100%	0	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

Project Cost and Source

Construction Cost:	\$18,541,000	Cost Estimation Tool
Right-of-Way Cost:	\$5,418,000	Cost Estimation Tool
Utilities Cost:	\$650,000	Cost Estimation Tool
Total Project Cost:	\$24,609,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$24,609,000	